

**Relation between Electric-Auditory Brainstem
Response (E-ABR), P1Cortical Auditory Evoked
Potentials (CAEP) and Language Development
in Cochlear Implant Recipients**

Thesis

*Submitted for Partial Fulfillment of Master Degree
In Audiology*

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2016



بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

وَعَلَّمَكَ مَا لَمْ تَكُنْ تَعْلَمُ وَكَانَ
فَضْلُ اللّٰهِ عَلَيْكَ عَظِيمًا

صدق الله العظيم

(النساء آية (۱۱۳))



Acknowledgement

*First of all, I thank **ALLAH** for blessing this work as a part of his generous help throughout my life.*

*I am greatly indebted and grateful to **Prof. Wafaa Abdel-Hay El-Kholy** Professor of Audiology, Faculty of Medicine, Ain Shams University, for her continuous guidance, support and constructive criticism through the work. She has generously devoted much of her time and her effort for planning and supervision of this study.*

*I wish to extend my thanks to **Prof. Mona Abdel-Fattah Hegazy** Professor of Phoniatics, Faculty of Medicine, Ain Shams University, for her meticulous supervision, scientific support and judicious guidance throughout this work.*

*Also, I would like to display my indebtedness to **Prof. Hesham Mohammed Taha** Professor of Audiology, Faculty of Medicine, Ain Shams University, for his support, faithful advice and meticulous supervision.*

*Special thanks are due to **Dr. Ghada Moharram**, Assistant Lecturer of Audiology, Faculty of Medicine, Ain Shams University, for her help in the practical part of my thesis.*

Finally, my particular appreciation to my family members, my father, my husband and my daughter for their generous assistance, and special thanks to my mother to whom I owe a lot.

Mona Abdel Fattah



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List of Abbreviations

Abb.	Description
ABR	Auditory Brainstem Response
AEPs	Auditory Evoked Potentials
ANOVA	Analysis Of Variance
ASHA	American Speech and Language Hearing Association
ASSR	Auditory Steady State Response
C.I	Cochlear Implant
C.L	Confidence Limits
CAEP	Cortical Auditory Evoked Potentials
CELF	Clinical Evaluation of Language Fundamentals
CMV	Cytomegalovirus
EABR	Electrically Auditory Brainstem Response
I.Q	Intelligent Quotient
JCIH	The Joint Committee on Infant Hearing
LIQ	Language Improvement Quotient
LLR	Long Latency Response
MLR	Middle Latency Response
MLU	Mean Length of Utterance
SNR	Signal to Noise Ratio

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Introduction





Aims of the Work





Chapter (1)

Language Development in Cochlear Implant Recipients





Chapter (2)

Evoked Potentials (EPs) in C.I. Recipients

